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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/681,397 10/08/2003		David A. Little	2003P13579US	7438
7590 06/24/2005		EXAM	EXAMINER .	
Siemens Corp	ooration	CASAREGOLA, LOUIS J		
Intellectual Pro 170 Wood Ave	perty Department	ART UNIT	PAPER NUMBER	
Iselin, NJ 08830			3746	

DATE MAILED: 06/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application	on No.	Applicant(s)				
Office Action Summary		10/681,39)7	LITTLE ET AL.				
		Examiner		Art Unit				
		Louis J. C	<u></u>	3746				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE M Extensi after St If the pe - If NO pe - Failure Any rep	RTENED STATUTORY PERIOD F AILING DATE OF THIS COMMUN ons of time may be available under the provisions X (6) MONTHS from the mailing date of this commercial for reply specified above is less than thirty (3 eriod for reply is specified above, the maximum state to reply within the set or extended period for reply by received by the Office later than three months a patent term adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136(a). In no evenunication. 0) days, a reply within the statuatutory period will apply and wiwill, by statute, cause the appl	ent, however, may a reputory minimum of thirty ill expire SIX (6) MONTilication to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this com-	munication.			
Status	•	•						
1)□ F	Responsive to communication(s) file	ed on						
•		2b)⊠ This action is n	on-final.					
•—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositio	n of Claims							
5)⊠ C 6)⊠ C 7)□ C	4) Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 4-17 is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Applicatio	n Papers							
10) ☐ T	he specification is objected to by the drawing(s) filed on is/are applicant may not request that any objections.	: a) ☐ accepted or b) ction to the drawing(s) b	oe held in abeyand	ce. See 37 CFR 1.85(a).	24.404(1)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority un	der 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (I ation Disclosure Statement(s) (PTO-1449 or No(s)/Mail Date		Paper No(s)	ummary (PTO-413))/Mail Date formal Patent Application (PTO- 	152)			

Claim Rejections - 35 USC 102

Claims 1 and 3 are rejected under 35 USC 102(b) as being anticipated by Becker.

The claimed operating method reads on the normal operation of conventional gas turbine cooling systems of the type disclosed by Becker. Attention is called to Becker's Figure 1; note that air from the exit of compressor 2 is routed via extraction port 13 and flow path 8 to the rotor and disc sections of turbine 3. Flow path 8 includes no closure means so it will supply air to the turbine during all modes of operation, includeing steady state and base load operation. Flow path 8 also includes no cooling means so that the air supplied to the turbine through this path will not exhibit a substantial temperature reduction below compressor exit temperature.

Claim Rejections - 35 USC 103

Claim 2 is rejected under 35 USC 103(a) as being unpatentable over Becker in view of the Pratt & Whitney Publication.

Claim 2 recites a compressor exit temperature of about 450° C, which is approximately 842° F. While Becker does not discloses a specific compressor exit temperature, the claimed value is clearly within the conventional range for this parameter as shown, for example, by two engines from the Pratt & Whitney Publication; note that the

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JT8D and the JT9D have respective compressor exit temperatures 800° and 880° F. It

would have thus been obvious to use air at 450° C (842° F) in Becker's flow path 8 since

this temperature falls well within the normally expected limits for the compressor dis-

charge air available at extraction port 13.

Allowable Subject Matter

Claims 4-17 are allowed.

Additional References

Schwarz and Klingels are cited as disclosing further pertinent examples of gas turbine cooling systems.

L. J. Casaregola

571-272-4826 (M-F; 7:30-4:00)

703-872-9306 FAX

June 16, 2005

PRIMARY EXAMINER

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If repeated attempts to reach the examiner by telephone are unsuccessful, the art unit supervisor, Timothy Thorpe, can be reached at 571-272-4444.

Information regarding the status of this application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR, and status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).